

Comware V7 MQC NETCONF XML API Configuration Reference

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Revision Record

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MQC

MQC/Classifiers

This table contains information about classifiers.

XML structure

```
<MQC>
  <Classifiers>
    <Classifier>
      <Name></Name>
      <Operator></Operator>
    </Classifier>
  </Classifiers>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Classifiers
Table type	Multi-instance table
Row name	Classifier
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
Operator	Match operator of the traffic classifier	N/A	Enumeration: 1—And. 2—Or.	Required. When the Operator column is 1 , the traffic classifier matches the packets that match all its match criteria. When the Operator column is 2 , the traffic

Column name	Column description	Column type	Data type and restrictions	Remarks
				classifier matches the packets that match any of its match criteria.

MQC/Behaviors

This table contains information about behavior.

XML structure

```
<MQC>
  <Behaviors>
    <Behavior>
      <Name></Name>
    </Behavior>
  </Behaviors>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Behaviors
Table type	Multi-instance table
Row name	Behavior
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A

MQC/Policies

This table contains information about policy.

XML structure

```
<MQC>
  <Policies>
    <Policy>
      <Name></Name>
    </Policy>
  </Policies>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Policy name	Index	String. Length: 1 to 31 characters.	N/A

MQC/CBMaps

This table contains information about classifier-behavior association.

XML structure

```
<MQC>
  <CBMaps>
    <CBMap>
      <PolicyName></PolicyName>
      <ClassifierName></ClassifierName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
    </CBMap>
  </CBMaps>
```

</MQC>

Table description

Item	Description
Feature name	MQC
Table name	CBMaps
Table type	Multi-instance table
Row name	CBMap
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	Index	String. Length: 1 to 31 characters.	N/A
ClassifierName	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Traffic behavior name	N/A	String. Length: 1 to 31 characters.	Required.
Mode	Mode of the classifier-behavior association	N/A	Enumeration: • 0—None. • 2—Qppb. • 16—Dcbx.	Required. When the Mode column is 0 , there is no restriction on the classifier-behavior association. When the Mode column is 2 , the classifier-behavior association applies only to QPPB. When the Mode column is 16 , the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).

MQC/Rules

This table contains information about rule.

XML structure

```
<MQC>
  <Rules>
    <Rule>
      <ClassName></ClassName>
      <RuleID></RuleID>
      <Not></Not>
      <PktType></PktType>
      <IPv4Acl></IPv4Acl>
      <IPv6Acl></IPv6Acl>
      <SrcMac></SrcMac>
      <DestMac></DestMac>
      <ServiceVLANID></ServiceVLANID>
      <CustomerVLANID></CustomerVLANID>
      <ServiceDot1pList>
        <ServiceDot1p></ServiceDot1p>
      </ServiceDot1pList>
      <CustomerDot1pList>
        <CustomerDot1p></CustomerDot1p>
      </CustomerDot1pList>
      <ExpList>
        <Exp></Exp>
      </ExpList>
      <InnerExpList>
        <InnerExp></InnerExp>
      </InnerExpList>
      <IPPrecedenceList>
        <IPPrecedence></IPPrecedence>
      </IPPrecedenceList>
      <LocalPrecedenceList>
        <LocalPrecedence></LocalPrecedence>
      </LocalPrecedenceList>
      <DscpList>
        <Dscp></Dscp>
      </DscpList>
      <DropPriorityList>
        <DropPriority></DropPriority>
      </DropPriorityList>
      <QoSLocalID></QoSLocalID>
      <MplsLabelList>
        <MplsLabel></MplsLabel>
      </MplsLabelList>
      <InnerMplsLabelList>
        <InnerMplsLabel></InnerMplsLabel>
      </InnerMplsLabelList>
      <PktLength>
        <Min></Min>
```

```

        <Max></Max>
    </PktLength>
    <MplsLabelRange>
        <LabelStart></LabelStart>
        <LabelEnd></LabelEnd>
    </MplsLabelRange>
    <InnerMplsLabelRange>
        <InnerLabelStart></InnerLabelStart>
        <InnerLabelEnd></InnerLabelEnd>
    </InnerMplsLabelRange>
    <RTPPort>
        <PortStart></PortStart>
        <PortEnd></PortEnd>
    </RTPPort>
    <Application></Application>
    <ApplicationGroup></ApplicationGroup>
</Rule>
</Rules>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	Only one match column can be configured once, Rule can not be modified by ID.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ClassName	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
RuleID	ID of the rule	Index	Unsigned integer	When the operate type of message is create , RuleID only can be configurated 4294967295 or NextRuleID of Classifiers table.
Not	Whether the matches packets	N/A	Boolean:	Required.

Column name	Column description	Column type	Data type and restrictions	Remarks
	conform to the specified criterion		true—Conform. false—Not conform.	
PktType	Match the type of packet.	N/A	Enumeration: 1—Any. 2—IP. 3—IPv6. 4—Arp. 5—Bt. 6—Bridge. 7—Route.	When the Type column is 1 , the rule matches all packets. When the Type column is 2 , the rule matches IP protocol. When the Type column is 3 , the rule matches IPv6 protocol. When the Type column is 4 , the rule matches ARP protocol. When the Type column is 5 , the rule matches bittorrent protocol. When the Type column is 6 , the rule matches Layer 2 forwarded packets. When the Type column is 7 , the rule matches Layer 3 forwarded packets.
IPv4Acl	Match IPv4 ACL.	N/A	ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 5999.	An ACL name must start with an English letter and cannot be all .
IPv6Acl	Match IPv6 ACL.	N/A	ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 3999.	An ACL name must start with an English letter and cannot be all .
SrcMac	Match a source MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
DestMac	Match a destination MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
ServiceVLANID	Match the service provider VLAN ID.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range.	Example: 1,2,3,5-8,10-20. you can specify up to 10 VLAN IDs or VLAN ID ranges.

Column name	Column description	Column type	Data type and restrictions	Remarks
			The string must not end with a comma or hyphen, or include any whitespace characters.	
CustomerVLANID	Match the customer VLAN ID.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string must not end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20. you can specify up to 10 VLAN IDs or VLAN ID ranges.
ServiceDot1p	Match the 802.1p priority of the service provider network.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 ServiceDot1p for a rule
CustomerDot1p	Match the 802.1p priority of the customer network.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 CustomerDot1p for a rule
Exp	Match MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 Exp for a rule
InnerExp	Match inner MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 InnerExp for a rule
IPPrecedence	Match IP precedence.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 IPPrecedence for a rule
LocalPrecedence	Match local precedence.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 LocalPrecedence for a rule
Dscp	Match DSCP values.	N/A	Unsigned integer. Value range: 0 to 63.	You can specify up to 8 Dscp for a rule
DropPriority	Match drop precedence.	N/A	Unsigned integer. Value range: 0 to 2.	You can specify up to 3 DropPriority for a rule
QoSLocalID	Match local QoS ID.	N/A	Unsigned integer. Value range: 1 to 4095.	N/A
MplsLabel	Match MPLS label.	N/A	Unsigned integer. Value range: 0 to 1048575.	You can specify up to 8 MplsLabel for a rule
InnerMplsLabel	Match inner MPLS	N/A	Unsigned integer.	You can specify up to 8 InnerMplsLabel for a rule

Column name	Column description	Column type	Data type and restrictions	Remarks
	label.		Value range: 0 to 1048575.	
PktLength	Match packet length.	Data structure	Members include: • Min. • Max.	N/A
Min	The minimum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	Min can not be bigger than Max .
Max	The maximum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
MplsLabelRange	Match MPLS label range.	Data structure	Members include: • LabelStart. • LabelEnd.	The two members must both be specified.
LabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
LabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	LabelEnd must be bigger than LabelStart .
InnerMplsLabelRange	Match inner MPLS label range.	Data structure	Members include: • InnerLabelStart. • InnerLabelEnd.	The two members must both be specified.
InnerLabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
InnerLabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	InnerLabelEnd must be bigger than InnerLabelStart .
RTPPort	Match RTP protocol port range.	Data structure	Members include: • PortStart. • PortEnd.	The two members must both be specified.
PortStart	Start RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	PortStart can not be bigger than PortEnd .
PortEnd	End RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	N/A
Application	Match application layer protocol.	N/A	String, case-insensitive. Length: 1 to 63 characters.	APR/Applications/Application/AppName.
ApplicationGroup	Match application	N/A	String, case-insensitive.	APR/AppGroups/GroupInfo/GroupName.

Column name	Column description	Column type	Data type and restrictions	Remarks
	group.		Length: 1 to 63 characters.	

MQC/Remark

This table contains information about marking action.

XML structure

```

<MQC>
  <Remark>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <Color></Color>
      <Value></Value>
    </Action>
  </Remark>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Remark
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of remark	Index	Enumeration: 0—CDot1pTrust. 1—Dscp. 2—IPPre.	When the Type column is 0, configure an inner-to-outer tag priority copying action. When the Type column is

Column name	Column description	Column type	Data type and restrictions	Remarks
			• 3—MplsExp. • 4—Dot1p. • 5—LocalID. • 6—LocalPre. • 7—DropPre. • 8—CVlanID. • 9—SVlanID. • 10—ImpositionMplsExp. • 12—AtmClp.	1, configure a DSCP marking action. When the Type column is 2, configure an IP precedence marking action. When the Type column is 3, configure an EXP value marking action. When the Type column is 4, configure an 802.1p priority marking action. When the Type column is 5, configure the action of setting the specified local QoS ID for packets. When the Type column is 6, configure a local precedence marking action. When the Type column is 7, configure a drop priority marking action. When the Type column is 8, configure a CVLAN marking action. When the Type column is 9, configure a SVLAN marking action. When the Type column is 10, configure an EXP value marking action for added labels. When the Type column is 12, configure the action of setting the CLP bit for ATM cells.
Color	The color of affected packets	Index	Enumeration: • 0—No color. • 1—Green. • 2—Yellow. • 3—Red.	Specify different color packets for the priority marking action. Support for the green, red and yellow keyword depends on the device model. When the Color column is 0, specifies all packets. When the Color column is 1, specifies green packets. When the Color column is

Column name	Column description	Column type	Data type and restrictions	Remarks
				2, specifies yellow packets. When the Color column is 3, specifies red packets.
				Required when the Type column is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 or 12. When the Type column is 0, the value is invalid. When the Type column is 8 or 9, the value range is 1 to 4094. When the Type column is 7, the value range is 0 to 2. When the Type column is 5, the value range is 1 to 4095. When the Type column is 2, 3, 4, 6 or 10, the value range is 0 to 7. When the Type column is 1, the value range is 0 to 63. When the Type column is 12, the value range is 0 to 1.
Value	The value of marking action	N/A	Unsigned integer.	

MQC/Redirect

This table contains information about redirect.

XML structure

```

<MQC>
  <Redirect>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <IfIndex></IfIndex>
      <Track0ap></Track0ap>
      <VLANID></VLANID>
      <VSI></VSI>
    </Action>
  </Redirect>
</MQC>

```


Table description

Item	Description
Feature name	MQC
Table name	Redirect
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of redirect	Index	Enumeration: • 1—CPU. • 2—Interface. • 3—VSI.	When the Type column is 1 , redirect traffic to CPU. When the Type column is 2 , redirect traffic to an interface. When the Type column is 3 , redirect traffic to a virtual station interface.
IfIndex	Interface index	Index	Unsigned integer.	The value of this column is valid if Type is 2 .
TrackOap	Enable the traffic redirecting action to collaborate with OAP	N/A	Boolean: • true—Enable. • false—Disable.	The value of this column is valid if Type is 2 .
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid if Type is 2 .
VSI	Name of VSI	N/A	String. Length: 1 to 31 characters.	Required when the Type column is 3 .

MQC/Filter

This table contains information about filtering action.

XML structure

<MQC>

```

<Filter>
  <Action>
    <BehaviorName></BehaviorName>
    <Type></Type>
  </Action>
</Filter>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Filter
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of filter	N/A	Enumeration: 1—Deny. 2—Permit.	Required.

MQC/AssuredForwarding

This table contains information about assured-forwarding queue.

XML structure

```

<MQC>
  <AssuredForwarding>
    <Action>
      <BehaviorName></BehaviorName>
      <Kbps></Kbps>
      <Pct></Pct>
      <RemainingPct></RemainingPct>
    </Action>
  </AssuredForwarding>

```

</MQC>

Table description

Item	Description
Feature name	MQC
Table name	AssuredForwarding
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	When the configuration way of Bandwidth is Kbps, the others can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is Pct, the others can't be configured at the same time.
RemainingPct	Percentage of remaining bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is RemainingPct, the others can't be configured at the same time.

MQC/ExpeditedForwarding

This table contains information about expedited-forwarding queue.

XML structure

```
<MQC>
  <ExpeditedForwarding>
    <Action>
      <BehaviorName></BehaviorName>
```

```

    <Bandwidth>
      <Kbps></Kbps>
      <CBS></CBS>
    </Bandwidth>
    <BandwidthPct>
      <Pct></Pct>
      <CBSRatio></CBSRatio>
    </BandwidthPct>
  </Action>
</ExpeditedForwarding>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	ExpeditedForwarding
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Bandwidth	Specify the Bandwidth value in kbps	Data structure	Members include: Kbps. CBS.	When the configuration way of Bandwidth is Bandwidth, the Kbps must be specified, and another way can't be configured at the same time.
Kbps	value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A
CBS	Committed Burst Size	N/A	Unsigned integer. Value range: 32 to 1,000,000,000.	N/A
BandwidthPct	Specify the percentage of reserved bandwidth.	Data structure	Members include: Pct. CBS-Ratio.	When the configuration way of Bandwidth is BandwidthPct, the Pct must be specified, and another

Column name	Column description	Column type	Data type and restrictions	Remarks
				way can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
CBSRatio	CBS Ratio	N/A	Unsigned integer. Value range: 25 to 500.	The default value is 25.

MQC/WFQ

This table contains information about weighted fair queue.

XML structure

```

<MQC>
  <WFQ>
    <Action>
      <BehaviorName></BehaviorName>
      <QueueNum></QueueNum>
    </Action>
  </WFQ>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	WFQ
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
QueueNum	Total queue	N/A	Unsigned integer.	The value is power of 2. This column can be

Column name	Column description	Column type	Data type and restrictions	Remarks
	number		Value range: 16 to 4096.	specified null. If it is null, the value is default, and default value varies by device.

MQC/CAR

This table contains information about car action.

XML structure

```

<MQC>
  <CAR>
    <Action>
      <BehaviorName></BehaviorName>
      <BandwidthUnit></BandwidthUnit>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>
        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
      </GreenAction>
      <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
      </YellowAction>
      <RedAction>
        <RedActionType></RedActionType>
        <RedActionValue></RedActionValue>
      </RedAction>
    </Action>
  </CAR>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	CAR
Table type	Multi-instance table
Row name	Action

Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
BandwidthUnit	Specify bandwidth Unit	N/A	Enumeration: • 2—kpbs. • 3—percent.	If this column is not configured, the default bandwidth unit is kpbs.
CIR	Committed information rate	N/A	Unsigned integer.	Required When BandwidthUnit is 3, the value range is 1 to 100.
CBS	Committed burst size	N/A	Unsigned integer.	When BandwidthUnit is 3, the value range is 50 to 2000.
EBS	Excess burst size	N/A	Unsigned integer.	If both CBS and PIR are not configured, EBS cannot be configured. When BandwidthUnit is 3, the value range is 0 to 2000.
PIR	Peak information rate	N/A	Unsigned integer.	When BandwidthUnit is 3, the value range is 1 to 100.
GreenAction	Specify behavior for green packets	Data structure	Members include: • GreenActionType. • GreenActionValue.	GreenActionValue is required when GreenActionType is not 1, 10 or 19.
GreenActionType	Green Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When GreenActionType is 1 , send the packet. When GreenActionType is 2 , remark DSCP value of the packet and send it. When GreenActionType is 3 , remark IP precedence of the packet and send it. When GreenActionType is 4 , remark EXP of the MPLS packet and send it. When GreenActionType is 5 , remark 802.1p priority

Column name	Column description	Column type	Data type and restrictions	Remarks
				value of the packet and send it. When GreenActionType is 6, remark CLP bit of the ATM packet and send it. When GreenActionType is 7, remark DE bit of the FR packet and send it. When GreenActionType is 8, remark local precedence of the packet and send it. When GreenActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
GreenActionValue	Green Action Value	N/A	Unsigned integer. Value range: 0 to 63.	When GreenActionType is 1, 10 or 19, GreenActionValue is ignored. When GreenActionType is 6 or 7, GreenActionValue is 0~1. When GreenActionType is 2, GreenActionValue is 0~63. When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.
YellowAction	Specify behavior for yellow packets	Data structure	Members include: • YellowActionType. • YellowActionValue.	YellowActionValue is required when YellowActionType is not 1, 10 or 19.
YellowActionType	Yellow Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark -prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When YellowActionType is 1, send the packet. When YellowActionType is 2, remark DSCP value of the packet and send it. When YellowActionType is 3, remark IP precedence of the packet and send it. When YellowActionType is 4, remark EXP of the MPLS packet and send it. When YellowActionType is 5, remark 802.1p priority value of the packet and

Column name	Column description	Column type	Data type and restrictions	Remarks
				send it. When YellowActionType is 6, remark CLP bit of the ATM packet and send it. When YellowActionType is 7, remark DE bit of the FR packet and send it. When YellowActionType is 8, remark local precedence of the packet and send it. When YellowActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
YellowActionValue	Yellow Action Value	N/A	Unsigned integer. Value range: 0 to 63.	When YellowActionType is 1, 10 or 19, YellowActionValue is ignored. When YellowActionType is 6 or 7, YellowActionValue is 0~1. When YellowActionType is 2, YellowActionValue is 0~63. When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.
RedAction	Specify behavior for red packets	Data structure	Members include: • RedActionType. • RedActionValue.	RedActionValue is required when RedActionType is not 1, 10 or 19.
RedActionType	Red Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When RedActionType is 1, send the packet. When RedActionType is 2, remark DSCP value of the packet and send it. When RedActionType is 3, remark IP precedence of the packet and send it. When RedActionType is 4, remark EXP of the MPLS packet and send it. When RedActionType is 5, remark 802.1p priority value of the packet and send it.

Column name	Column description	Column type	Data type and restrictions	Remarks
				When RedActionType is 6, remark CLP bit of the ATM packet and send it. When RedActionType is 7, remark DE bit of the FR packet and send it. When RedActionType is 8, remark local precedence of the packet and send it. When RedActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
RedActionValue	Red Action Value	N/A	Unsigned integer. Value range: 0 to 63.	When RedActionType is 1, 10 or 19, RedActionValue is ignored. When RedActionType is 6 or 7, RedActionValue is 0~1. When RedActionType is 2, RedActionValue is 0~63. When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.

MQC/ReservedBandwidth

This table contains information about the maximum reserved bandwidth as a percentage of available bandwidth.

XML structure

```

<MQC>
  <ReservedBandwidth>
    <Interface>
      <IfIndex></IfIndex>
      <Pct></Pct>
    </Interface>
  </ReservedBandwidth>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	ReservedBandwidth
Table type	Multi-instance table
Row name	Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer	N/A
Pct	Specify the percentage of available bandwidth to be reserved	N/A	Unsigned integer. Value range: 1 to 100.	Required

MQC/Mirror

This table contains information about mirroring.

XML structure

```
<MQC>
  <Mirror>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <IfIndex></IfIndex>
      <VLANID></VLANID>
      <IP>
        <DestIP></DestIP>
        <SrcIP></SrcIP>
        <DSCP></DSCP>
        <VLAN></VLAN>
        <VRF></VRF>
      </IP>
      <Mac></Mac>
    </Action>
```

```

    </Mirror>
  </MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Mirror
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of mirror	Index	Enumeration: 1—Interface. 2—CPU. 3—VLAN.	When the Type column is 1 , mirror to an interface. When the Type column is 2 , mirror to CPU. When the Type column is 3 , mirror to VLAN.
IfIndex	Interface index	Index	Unsigned integer.	The value of this column is valid if Type is 1 .
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid if Type is 3 .
IP	Specify IP for mirroring to interface with GRE format	Data structure	Members include: - DestIP - SrcIP - DSCP - VLAN - VRF	DestIP and SrcIP must both be specified. DSCP,VLAN and VRF can be optionally specified when DestIP and SrcIP are configured. This structure is valid and optional if Type is 1.
DestIP	Destination IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.54.
SrcIP	Source IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.60.
DSCP	DSCP value	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range: 0 to 63.	
VLAN	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	VRF instance name	N/A	String. Length: 1 to 31 characters.	N/A
Mac	Specify destination MAC for mirroring to interface	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0. The value of this column is valid and optional if Type is 1.

MQC/GlobalPolicy

This table contains information about global QoS policies.

XML structure

```

<MQC>
  <GlobalPolicy>
    <Application>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </GlobalPolicy>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/VlanPolicy

This table contains information about QoS policies applied to VLANs.

XML structure

```
<MQC>
  <VlanPolicy>
    <Application>
      <VLANID></VLANID>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </VlanPolicy>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	VlanPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range: 1 to 4094.	
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/InterfacePolicy

This table contains information about QoS policies applied to interfaces.

XML structure

```

<MQC>
  <InterfacePolicy>
    <Application>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </InterfacePolicy>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	InterfacePolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application	Index	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	direction		0—Inbound. 1—Outbound.	
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/IfPolicyEnhance

This table contains information about QoS policies applied to interfaces in enhanced mode.

XML structure

```
<MQC>
  <IfPolicyEnhance>
    <Application>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </IfPolicyEnhance>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEnhance
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: 0—Inbound. 1—Outbound.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/GlobalPolicyEnhance

This table contains information about global QoS policies in enhanced mode.

XML structure

```
<MQC>
  <GlobalPolicyEnhance>
    <Application>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </GlobalPolicyEnhance>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyEnhance
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: 0—Inbound. 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/Account

This table contains information about accounting action.

XML structure

```
<MQC>
  <Account>
    <Action>
      <BehaviorName></BehaviorName>
      <Byte></Byte>
      <Packet></Packet>
    </Action>
  </Account>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Account
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Byte	Accounting in bytes	N/A	Boolean: • true—Conform. • false—Not conform.	N/A
Packet	Accounting in packets	N/A	Boolean: • true—Conform. • false—Not conform.	N/A